

Work Order ID 158090

Thursday, March 09, 2017 1:58:08 PM

158090

Page 1

Item ID: D5317-1

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Dowel Pin

Start Date: 3/27/2017 Start Qty: 30.00

30

Cust Item ID:

Required Date: 3/27/2017 Req'd Qty: 30.00

30

Customer:

Reference: SCHEDULED

Approvals: Process Plan:

DAS
21
9-89

Date: MAR 10 2017

Tooling:

Date:

Run Start ***NR1***Stop ***NR2***

QC:

Date:

SPC (Y/N):

Date:

Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

Draw Nbr

Revision Nbr

D5317

A

0.00

100

100

Purchasing

Memo

0.00

Purchasing

Issue P/O:

Possible supplier: MCMaster Carr

Supplier P/N: 97395A451

C of C is required.

110

Receive & Inspect for Damage & Mat'l Certs

0.00

110

Packaging

Memo

0.00

Packaging

MAR 20 2017

DAS
13
9-89

MAR 20 2017

30

30xSP1703-20

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐								
Misidentified ☐	Past Due ☐								
		OTHER : _____							

Work Order ID 158090***158090***

Page 2

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Approvals: Process Plan: Date:

Tooling: Date:

Stop ***NR2***

QC: Date:

SPC (Y/N): Date:

Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run HoursTool ID Tool # Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

120

QC6- Inspect dimensions to drawing

0.00

120

QC

Memo

0.00

Quality Control

30

DAS
38
3-89
MAR 20 2017

130

Identify as per dwg & Stock Location: 51/63

0.00

130

Packaging

Memo

0.00

Packaging

30

MAR 21 2017

DAS
6
9-89

140

QC21- Final Inspection - Work Order Release

0.00

140

QC

Memo

0.00

Quality Control

17/3/21 JF

ME
17-3-21

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
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Past Expiry Date ☐	Manufacturing Process ☐	OTHER :							
Misidentified ☐	Past Due ☐								

Picklist Print

Thursday, March 09, 2017 1:58:15 PM

Page 1

Work Order ID: 158090

158090

Parent Item: D5317-1

D5317-1

Parent Item Name: Dowel Pin

Start Date: 3/27/2017

Required Date: 3/27/2017

Start Qty: 30.00

Required Qty: 30.00

Comments: IIN REV:A 16.02.10 NEW ISSUE DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
97395A451		Purchased			No	100	Each	0.0000	1	30			
									**	30x SP17CB20.			
97395A451													
Dowel Pin													

DQA: _____ Date: _____



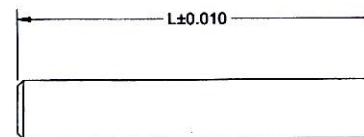
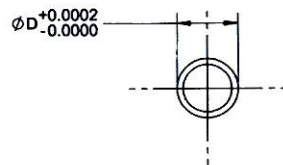
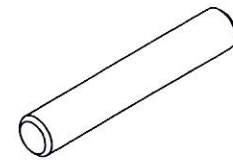
WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
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OTHER : ☐																									

SPECIFICATION CONTROL DRAWING



SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 158090 MJS
1703-10

ITEM	DART PART NUMBER	DESCRIPTION	POSSIBLE VENDOR	VENDOR PART NUMBER	MATERIAL	LENGTH (L) (IN)	DIAMETER (D) (IN)	WEIGHT (LB)
1	D5317-1	DOWEL PIN	MCMASTER CARR	97395A451	316 SS	0.750	0.125	0.003

D5317-X DOWEL PIN

NOTES:

- 1) MATERIAL: SEE TABLE
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: PER QSI 044 6.7
- 7) WEIGHT: SEE TABLE

RELEASED
2016-04-18
ECS/b-537

APPROVED

A	NEW ISSUE	AK	15.10.05
REV.	DESCRIPTION	BY	DATE
DESIGN	AK	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	AK	DRAWING NO.	REV. A
CHECKED	CC	D5317	SHEET 1 OF 1
MFG. APPR.	JLM	TITLE	SCALE
APPROVED	HS	DOWEL PIN	NTS
DE APPR.	DS	COPYRIGHT © 2015 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD	
DATE	15.10.05		



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO35574**

Purchase Order Date 3/13/2017

PO Print Date 3/13/2017

Page Number 2 of 5

Order From :
MCMASTER-CARR SUPPLY CO,
P.O. BOX 7690
CHICAGO, IL 60680-7690
US

VU-MCM001

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 330 995 5500

Ship To Contact
Ship To Phone
Ship Via:
Ship Acct:

Purolator ground ppd

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 10
Currency USD
FOB FCA - (Free Carrier)

3 97395A451

Dowel Pin ✓

3/15/2017 FN
Yes
3/15/2017

30.00
Each

\$1.23

\$36.78

AS PER DWG D5817 REV. A
B158090

DAS
38
9-88

SP17-03-20

Line Total:

\$36.78

4 6718K52

Fitting, Quick Disconnect

3/15/2017
Yes
3/15/2017

10.00
Each

\$5.81

\$58.10

AS PER DWG D4182 REV. B
B158089

Line Total:

\$58.10

5 71350-30

93070A107 SOCKET
HEAD SCREW M4 X 0.7
MM

3/15/2017
Yes
3/15/2017

1.00
Each

\$7.48

\$7.48

Line Total:

\$7.48

Deliver To: JEAN-FRANCOIS

Note:

3/13/2017



200 Aurora Industrial Pkwy
Aurora OH 44202-8087
330-995-5500
cle.sales@mcmaster.com

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada
Attention: Jean-Francois / Chantal / Jesse

Purchase Order
PO35574
Order Placed By
Chantal Lavoie

McMaster-Carr Number
8317184-02

Page 1 of 1

03/13/2017

Line	Product	Ordered	Shipped
2	91343A100 316 Stainless Steel Serrated Flange Locknut Super-Corrosion-Resistant, 1/4"-20 Thread Size, Packs of 10	2 Packs	2
3	97395A451 Corrosion Resistant Dowel Pin Type 316 Stainless Steel, 1/8" Diameter, 3/4" Length, Packs of 10	3 Packs	3 DAS 38 1-89
4	6718K52 303 Stainless Steel Industrial-Shape Air Hose Coupling Plug, 1/4 Coupling Size, 1/4 NPTF Female End	10 Each	10
5	93070A107 Alloy Steel Low-Profile Socket Head Screw Black-Oxide, M4 x 0.7 mm Thread, 20 mm Long, Packs of 50	1 Pack	1
6	4471T52 Wear-Resistant A2 Tool Steel Tight-Tolerance Sheet, 3/8" Thick, 12" x 12"	1 Each	1
7	71455K64 Size AAA Alkaline Disposable Batteries, Packs of 24	1 Pack	1
8	71455K58 Size AA Alkaline Disposable Batteries, Packs of 144	1 Pack	1
9	4987A84 Permanent Bench-Top Plier Clamp	2 Each	2
10	5801A12 All-Angle Magnetic Retriever Aluminum Head, 7-3/4" Length, Approximately 2 lbs. Pull	1 Each	1
11	7385A52 Telescoping Magnetic Retriever High-Visibility Orange, 5-7/8"- 25 7/8" Long, 1-1/2 lb Pull	2 Each	2

Shipped separately from our New Jersey warehouse on 03/13

1	9372T21 Welded Nickel-Plated Steel D-Ring for 1" Webbing Width	6 Packs	6
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Notes about your shipment

The U.S. Department of Transportation regulates the shipping of lines 7 and 8. By purchasing from McMaster-Carr Supply Company, you agree not to transport or permit others to transport purchased items except in accordance with U.S. law and any other applicable laws.

McMaster-Carr Supply Company
200 Aurora Industrial Pkwy
Aurora, OH 44202-8087 USA
Phone: 330-995-5500 Fax: 330-995-9600
E-Mail: cle.sales@mcmaster.com
Employer Identification Number (EIN): 36-1158720

Invoice: 18156244
Purchase Order: PO35574
Release:
McMaster-Carr Number: 8317184-02

ORIGINAL COMMERCIAL
INVOICE
CERTIFICATE OF ORIGIN

Ultimate Destination:
Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada

Shipped: 13-Mar-2017

FOB: ORIGIN

Shipper's Export Declaration (SED):
NO EEI 30.36

Intermediate Consignee:

Bill To:
Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada

Tax Number:

Forwarding Agent:

Billing
Attention:
Shipping Jean-Francois / Chantal / Jesse
Attention:
Contact:

Line	Description	Qty & Unit	Unit Price	Extension
2	316 Stainless Steel Flanged Flange Locknut Super-Corrosion-Resistant, 1/4"-20 Thread Size, Packs of 10 Country of Origin: Taiwan Schedule B #: 731415 CCN #: EAR99 N.R.	2 PK	\$3.80	\$7.60
3	Corrosion Resistant Oval Pin Type 316 Stainless Steel, 1/8" Diameter, 3/4" Length, Packs of 10 Country of Origin: United States Schedule B #: 731415 CCN #: EAR99 N.R.	3 PK	\$12.26	\$36.78
4	303 Stainless Steel Industrial-Shape Air Hose Coupling Plug, 1/4 Coupling Size, 1/4 NPT Female End Country of Origin: United States Schedule B #: 848199 CCN #: 2B999 N.R.	10 EA	\$5.81	\$58.10
5	Alloy Steel Low-Profile Socket Head Screw Black-Oxide, M4 x 0.7 mm Thread, 23 mm Long, Packs of 10 Country of Origin: Taiwan Schedule B #: 731415 CCN #: EAR99 N.R.	1 PK	\$7.48	\$7.48

SPR-20

DAS
38
9-89

Your order is subject only to our terms and conditions, available at www.mcmaster.com or from our Sales Department.

Shipping Weight (in kgs): 15 Number of Packages: 1

Pack Dimensions:
3' 6" x 32 CM 0.03 CUBIC M

Invoice Amounts:
Merchandise Amount: \$530.40
Canadian GST/HST: \$71.55
Shipping Charges: \$19.91
Total (In USD): \$621.86

Payment Terms: 2% discount on merchandise only if paid within 10 days, net 30 days

Authorized Signature: Date: 13-Mar-2017

Name: Sarah Weinberg Title: Operations Mgr.

Remit payment to: (by wire transfer)
Bank of America
222 Broadway
New York, NY 10038
Account 86666-02021
SWIFT BOFAUS3N
(by mail)
McMaster-Carr Supply Company
PO Box 7690
Chicago, IL 60680-7690 USA

McMaster-Carr Supply Company
200 Aurora Industrial Pkwy
Aurora, OH 44202-8087 USA
Phone: 330-995-5500 Fax: 330-995-9600
E-Mail: sales@mcmaster.com
Employer Identification Number (EIN): 36-1158720

Invoice: 18156244
Purchase Order: PO35574
Release:
McMaster-Carr Number: 8317184-02

ORIGINAL COMMERCIAL
INVOICE
CERTIFICATE OF ORIGIN

Line	Description	Qty & Unit	Unit Price	Extension
6	1471T52 Wear Resistant A2 Tool Steel Tight-Tolerance Sheet, 3/8" Thick, 12" x 12" Country of Origin: United States Schedule B #: 720904 ECCN #: EAR99 NLR	1 EA	\$177.14	\$177.14
7	1441K54 Size AAA Alkaline Disposable Batteries, Packs of 24 Country of Origin: United States Schedule B #: 850611 ECCN #: EAR99 NLR	1 PK	\$16.46	\$16.46
8	1455K58 Size AA Alkaline Disposable Batteries, Packs of 144 Country of Origin: Singapore Schedule B #: 850611 ECCN #: EAR99 NLR	1 PK	\$81.82	\$81.82
9	8888888888888888 Bench Vise and/or Clamp Country of Origin: United States Schedule B #: 820710 ECCN #: EAR99 NLR	2 EA	\$59.42	\$118.84
10	7385A12 Magnetic Revolver Aluminum Head, 7-3/4" Length, Approximately 2 1/2 lbs Country of Origin: United States Schedule B #: 850611 ECCN #: EAR99 NLR	1 EA	\$8.04	\$8.04
11	7385A52 Telescoping Magnetic Revolver High-Visibility Orange, 5-7/8"- 25 7/8" Long, 1 1/2 lbs Pull Country of Origin: Peoples Republic of China Schedule B #: 850611 ECCN #: EAR99 NLR	2 EA	\$9.07	\$18.14
U.S. Department of Transportation regulates the shipping of lines 7 and 8. By purchasing from the McMaster-Carr Supply Company, you agree not to transport these items or others to other countries except in accordance with U.S. law and any other applicable laws. These items are controlled by the U.S. Government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein indicated. They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. government or as otherwise authorized by U.S. law and regulations.				
NOTE	Tracking number(s) for this shipment: 0K000551312			

Number of Packages: 1